# STAR SV-38R Type B CNC Swiss Type Automatic Lathe with Fanuc Series 31i-B5 Controller and Standard Accessories

## SV-38R Type B STANDARD ACCESSORIES:

- CNC Unit (Fanuc series 31i-B5)
- Operation panel & 10.4" color LCD display
- Automatic Centralized Lubrication Device (with level detector)
- Drive system for power driven tools (turret tool post) [1A459]
- Drive system for power driven tools (back 8-spindle unit)
- High-pressure coolant unit interface
- Spindle clamp unit (main/sub spindle) interface
- Air purge unit for revolving guide bush
- Work Lights (cutting & headstock room) [1A407]
- Earth leakage breaker (rated sensitivity current: 30mA) [1A409]
- 4-Spindle milling unit (gang tool post) - tools included
- Cs contour control (main/sub spindle) [0R449]
- Synchronized Revolving Guide Bush F'48 [1A301]
- Beacon Interface (1A428)
- Main collet [1A351]
- Sub collet [1A371]
- Spindle cooling unit
- Sub spindle air purge unit
- Revolving guide bush unit
- Wedge type 5-station tool holder: 20mm = 1 tool; 16mm = 4 tools (1A444)
- Stand-alone type coolant tank
- Coolant Level Detector (lower limit)
- Revolving guide bush drive unit
- Coolant Flow Detector
- Electronic Handwheel
- Broken Cut Off Tool Detector
- Automatic barfeeder interface
- RS232C interface
- Non Guide Bush Version
- Parts Ejection Detector
- Leveling Bolts & Leveling Pads
- Expanded I/O Module Unit
- Hydraulic unit
- Pneumatic unit
- Back Attachment
- Back 8-spindle unit
- Door Interlock System
- Tool Kit (1 set)
- Parts Conveyor
- Chip Conveyor Interface

## 31i-B5 FANUC CONTROLLER STANDARD OPTIONS:

- Number of control axes (total 12 - 4 simultaneous on Path 1, 4 simultaneous on Path 2, 1 axis on Path 2, and 3 simultaneous on Path 3)
- Synchronous/Superposition control (X1-X3, Y1-Y3, Z1-Z2 axes)
- Tool wear offset (60 pairs each for Paths 1, 2, & 3)
- Synchronous rotation/phase control of main & sub spindles specification
- Operation panel (10.4" color LCD display)
- Feed rate override (0-150% - rotary switch with 16-step)
- Rapid traverse override (0, 1, 5, 25, 100% - 5-step)
- Tool selection (T-code command)
- Number of registerable programs (1,000 programs total for Paths 1, 2, & 3)
- Servo torque limiter and servo monitor function
- Coolant Unit 0.7MPa [1A458]
- Coolant Piping for Gang Tool [1A463]
- Coolant Piping for Turret [1A466]
- Coolant Piping Back 8-Spindle Unit [1A467]
- Coolant Piping for Guide Bush [1A468]
- Coolant Unit Signal Cable 32 Contacts Ver [1A486]
- Rotary Parts Ejector with Spring [1A481]
- Rotary Parts Ejector with Spring for Sub Collet [1A481A]
- High Pressure Coolant Unit Interface
- Automatic coordinate system setting function
- Automatic erase display function Fluctuation Detection
- Machining data display function
- Program list display function Corner R
- Keep relay conversational function compensation
- Tool geometry offset function
- Tool life management by tool number counter
- Timer function
- Parts counter
- Circular arc radius
- Alarm help function
- Manual handle retrace
- Override cancel
- Error detect
- Feed command method
- Memory protect function
- Background editing
- Threading function
- Motion Control
- Clock display
- 3D Handle Feed
- Absolute position detector
- Cut-off process function
- Position display function
- 93285005 Spare M Codes (2 pairs)
- 93285102 Constant surface speed control
- 93285103 Spindle Speed
- 93285104 Multiple canned cycle
- 93285105 Chamfering
- 93285106 Tool nose radius compensation
- 93285107 Canned Cycle for Drilling
- 93285108 Variable Lead

Threading
- Collet automatic adjusting function
Retract
- Guide Bush/Non Guide Bush change function
threading
- Program Storage (6 MB in total for Paths 1, 2, & 3)
data input
- Spare M code (4 pairs)
Dim.Programming
- Circular Threading
Interpolation
- Program check function
Interpolation
- 3D Coordinate Conversion
- Multi-path program editing function
system 1/10
- Auto power shut-off function
Machining Unit
- Offset display function
Interpolation
- Alarm message history
Control
- Coordinate command system
conversion
- Decimal point input
Number Display
- Diametric direction command
common variables
- Interpolation function (Linear/Circular)
Program Editing
- Chamfering
Display

- 93285110 Threading
- 93285112 Continuous
- 93285114 Programmable
- 93285118 Direct Drawing
- 93285124 Cylindrical
- 93285125 Polar Coordinate
- 93285126 Rapid tapping
- 93285128 Increment
- 93285132 Polygon
- 93285134 Helical
- 93285137 Cs Contouring
- 93285201 Inch/metric
- 93285202 Run Hour Parts
- 93285209 Add'l custom macro
- 93285210 Extended Part
- 93285310 Star Run Hour

## SV-38R-B OPTIONAL ACCESSORIES

[1A422] Tool Presetter
[431-09] Wedge Type 2 Station Tool Holder 16mm7
2 [581-12] Triple Sleeve Holder Main/Back 32mm K
6 [421-26] Counter Face Drill Sleeve ER-20 (Applicable Sleeve Holders: 431- 11, 581-12)
3 [191-01] Tilting Head 2-Spindle Drilling Unit - ER16
2[201-50] Cross Drilling Unit ER16
[431-51] 2 Spindle Cross Drilling Unit ER-16
2[431-52] High Speed 2 Spindle Cross Drilling Unit ER-11 (MAX 9,500 RPM)
2 [571-55] Milling Unit ER-16
2[581-52] Cross Drilling Unit ER-16
2[10101] Drill Sleeve ER20
2[581-79] Boring Sleeve 3/8"
1[1A341/1A438] Synchronized Rotary Magic Guide Bushing Unit
1[NJ2000**E**] High Pressure Pump (OIL ONLY) **480 Volt Electrical Package**
1[NJMIST] Tri-Mist Collector
1[NJCHILLER**E**] NE15OIL Chiller System **480 Volt Electrical Package**

**LNS ALPHA 538 Performance Package - 1-1/4" (32 mm)** 3 Guiding Channel Set with Pusher, Rotating Sleeves, Remnant Retract, Compact Telescopic Swiss Safety Connection, Custom Electrical Cable Package with Plugs, 2 T-Tube Liner and Support Bushing, Two Position Hydrostatic Front Stabilizer, 1 Bushing Set for Hydrostatic Front Stabilizer, 1 Remnant Retract Collet/Cone and Collet Adapters, 18.5" (470 mm) "Z" Axis Retraction System, Patented 3-S Electronic Headstock Synchronization

Two Z-axis barfeed positions with safety switches for non-guide bushing machining capabilities